

References

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Supplemental Information

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Geologic field mapping was conducted by Fauth in 1967–1968 and 1973–1975 and by Brezinski in 1991–1992 and 2004-2005. The geologic map was compiled in digital form by Heather Quinn of the Maryland Geological Survey and by Brent Anderson and Catherine Luckhardt of Towson University, Center for Geographic Information Sciences.

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STATE OF MARYLAND Robert L. Ehrlich, Jr.

> Michael S. Steele Lieutenant Governor



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350000

77°35'0"W

77°37'30"W

Base layers derived from U.S. Geological Survey (USGS)

Digital line graphs for hydrography, topography, transportation and boundaries (1:24,000)

Culture revised by USGS 1953. Map edited in 1979 by USGS based on aerial photographs taken 1977

and other sources; this information not field checked; boundary line revisions compiled from latest

(Topography by stereophotogrammetric methods from aerial photographs taken 1943.

Middletown Quadrangle 1953 (photorevised 1979)

information available from controlling authority.)

7.5-minute Series (Topographic)

352000

77°32'30"W

Current map projection:

Maryland State Plane Coordinate System 1987

(Horizontal Datum: North American Datum 1983)

(Projection: Lambert Conformal Conic, 1980 geodetic reference system)

Geographic coordinates (latitude-longitude) shown near corners and 2.5' intervals (in black)

MD State Plane 2000-meter grid tics and coordinates shown in black

Zcm

77°30'0"W

Characteristically a green, greenish gray, bluish green, or

gray, medium-grained, non-porphyritic, massive to highly cleaved rock. Commonly amygdaloidal with quartz, epidote,

plagioclase feldspar, or chlorite filling oval-shaped vesicles; or porphyroblastic with flattened and elongated grains or aggregates of chlorite, actinolite(?), or epidote ranging between 10 and 25 mm in length. May exhibit medium to

broad bands that differ in color or texture. Locally

brecciated. Prominent veins and nodular masses of epidotc

and quartz are widely distributed throughout the unit.

Thickness of the entire metabasalt unit ranges from

approximately 200 feet to greater than 1,000 feet (60 to

greater than 300 m).

mica-quartz-garnet paragneiss to schist. Weathers to a

yellowish brown or very pale orange, schistose rock.